

# ABSTRACT

Disclosed herein is an array type noise reduction filter. The array type noise reduction filter has a plurality of noise  
5 reduction filters horizontally arranged within a single chip. A plurality of noise reduction filters each have an inductance portion, a ground portion, and a capacitance portion. The inductance portion is comprised of first and second coils approximately vertically connected in the chip. The ground  
10 portion is arranged over or under the inductance portion. The capacitance portion is arranged over or under the ground portion. A second coil of any inductance portion is constructed to be wound in a direction opposite to a second coil of another adjacent inductance portion.